

Table 1

TÜV NORD STRASSENVERKEHR GMBH

Vehicle system and traffic guidance

Exhaust gas checking

TÜV  
NORD  
Strassenverkehr

Hanover 14.08.2002

Test record RL 70/220/EEC in the version 98/69/EC

Order No	2063/02	Fuel density	0.837 kg/dm <sup>3</sup>
Vehicle ID	WDB9036621R414193	Distance	363 km
Official No	WRM-0602	Test weight	2270 kg
Manufacturer	DC	Oscillation mass	5000 lbs
		Coefficients (A=/B=/C=)	9/0/619
		Specialist	Mr Braun
Tyre size	225/70 R 15 C		
Tester	Mr Wohlrab		
Driver	Mr Kozlik		
Comments			

Oil temperature before test	23°C	Oil temperature after test	100°C
Air pressure	1012.7 hPa	rel. humidity	62%
Room temp. dry	22.0°C	abs. humidity	10.23g/kg air
Room temp. wet	17.2°C	humidity corr.	0.985

	Phase 1	Phase 2
Vmix	134.38 m <sup>3</sup>	69.33 m <sup>3</sup>
PDP speed	1143 1/min	1143 1/min
Test distance	4094 m	7005.2 m
Power mean value	35.45 N	331.08 N
Dilution factor	24.766	10.597
PTS volume	412.2 dm <sup>3</sup>	211.3 dm <sup>3</sup>
PTS removal temperature	24.1°C	25.7°C

Bag values	Exhaust gas 1	Air 1	Exhaust gas 2	Air 2
	vpm	vpm	vpm	vpm
HCc modal	21.2	3.9	27.6	3.4
CO	89.5	2.0	117.1	0.2
NOx	33.0	0.6	67.7	0.5
CO2	5300.0	500.0	12500.0	400.0

Result	g/Phase 1	g/km 1	g/Phase 2	g/km 2
HCc modal	1.452	0.355	1.051	0.150
CO	14.711	3.593	10.132	1.446
NOx	8.808	2.151	9.270	1.323
CO2	1272.156	310.733	1652.725	235.929
Particles	1.327	0.324	1.525	8.991

Consumption C	1/100 km	11.961	8.991
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## Overall result

HCc modal	0.226 g/km
CO	2.238 g/km
NOx	1.629 g/km
CO2	263.521 g/km
HCc + NOx	1.854 g/km
Consumption C	10.0871/100km
Particles	0.257 g/km

Table 2

TÜV NORD STRASSENVERKEHR GMBH

Vehicle system and traffic guidance

Exhaust gas checking

TÜV  
NORD  
Strassenverkehr

Hanover 14.08.2002

Test record RL 70/220/EEC in the version 98/69/EC

Order No	2058/02	Fuel density	0.837 kg/dm <sup>3</sup>
Vehicle ID	WDB9036621R209687	Distance	37747 km
Official No	AUR-EC 97	Test weight	2270 kg
Manufacturer	DC	Oscillation mass	5000 lbs
		Coefficients (A=/B=/C=)	9/0/619
Tyre size	225/70 R 15	Specialist	Mr Leiber
Tester	Mr Wohlrab		
Driver	Mr Kozlik		
Comments			

Oil temperature before test	20°C	Oil temperature after test	96°C
Air pressure	1012.7 hPa	rel. humidity	61%
Room temp. dry	21.9°C	abs. humidity	10.04g/kg air
Room temp. wet	17.0°C	humidity corr.	0.978

	Phase 1	Phase 2
Vmix	136.79 m <sup>3</sup>	68.4 m <sup>3</sup>
PDP speed	1143 1/min	1143 1/min
Test distance	4072.9 m	6972.4 m
Power mean value	34.69 N	327.18 N
Dilution factor	27.348	11.864
PTS volume	412.3 dm <sup>3</sup>	210.3 dm <sup>3</sup>
PTS removal temperature	23.8°C	25°C

Bag values	Exhaust gas 1	Air 1	Exhaust gas 2	Air 2
	vpm	vpm	vpm	vpm
HCc modal	16.7	3.7	18.6	3.0
CO	83.1	0.8	76.5	0.4
NOx	30.2	0.4	60.2	0.3
CO2	4800.0	400.0	11200.0	400.0

Result	g/Phase 1	g/km 1	g/Phase 2	g/km 2
HCc modal	1.113	0.273	0.671	0.096
CO	14.077	3.456	6.509	0.934
NOx	8.180	2.008	8.214	1.178
CO2	1186.014	291.196	1455.375	208.734
Particles	0.283	0.069	0.504	0.072

Consumption C	1/100 km	11.207	7.930
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Overall result		
HCc modal	0.162 g/km	71.7% - 28.3%
CO	1.864 g/km	83.3% - 16.7%
NOx	1.484 g/km	91% - 9%
CO2	239.141 g/km	90.9% - 9%
HCc + NOx	1.646 g/km	88.8% - 11.2%
Consumption C	9.1391/100km	0.9% - 9.4%
Particles	0.071 g/km	27% - 72.3%